

**ABSTRACT OF THE DISCLOSURE**

Control signalling for systems employing link adaptation and incremental redundancy is described. A link adaptation/incremental redundancy message can be transmitted from a receiving entity to a transmitting entity to inform the transmitting

5 entity of the receiving entity's incremental redundancy status or preference. Another message, which indicates whether resegmentation should be performed for retransmitted blocks can also be transmitted from a receiving entity to a transmitting entity. Both of these messages can be used by the transmitting entity to determine an appropriate modulation/coding scheme for subsequent transmissions of both original data blocks and

10 retransmitted data blocks. The messages can be used together or independently in either link (uplink or downlink) between a base station and a mobile station in a radiocommunication system.

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